

ABSTRACT

An imaging system includes an imaging device which outputs a plurality of digital signals each of which indicating an amount of light irradiating on a corresponding one of a plurality of pixels arranged in two dimensions, a pre-processor which reduces an amount of data of the plurality of the digital signals output by the imaging device, a processor which processes digital signals, a memory which stores the digital signals, and a memory controller which stores the plurality of the digital signals output by the pre-processor in the memory and reads the plurality of the digital signals from the memory to output the plurality of the digital signals to the processor.